

Name: _____

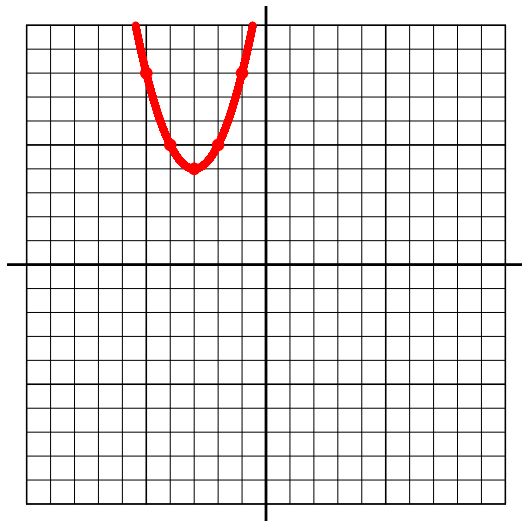
Date: _____

PCW_09_29 SOLUTION: Graph Parent Translations (version 7)

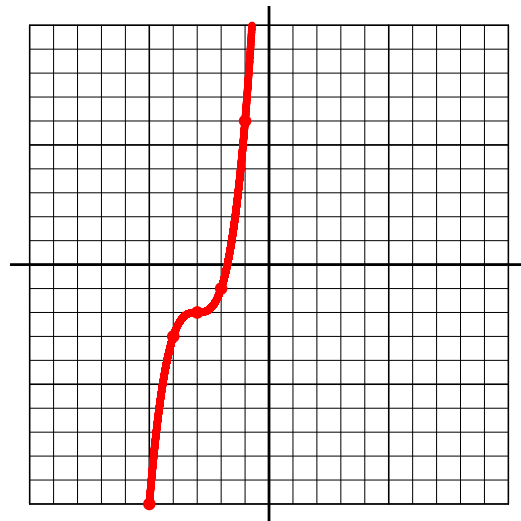
Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10 .

Clearly mark every solution where x and y are both integers with a small dot along the curve.

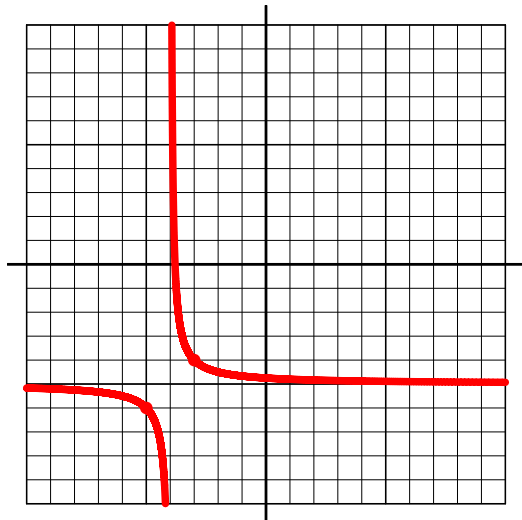
$$y = (x+3)^2 + 4$$



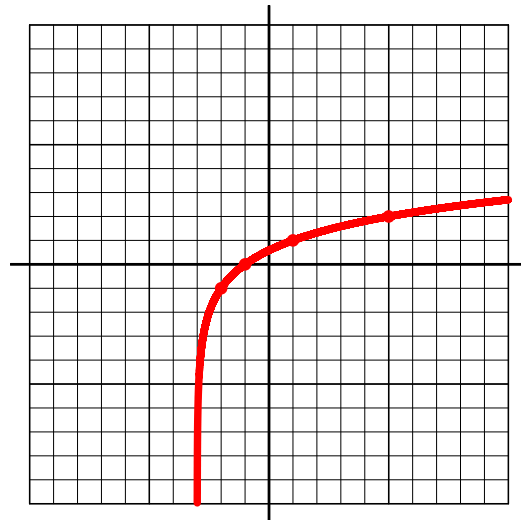
$$y = (x+3)^3 - 2$$



$$y = \frac{1}{x+4} - 5$$

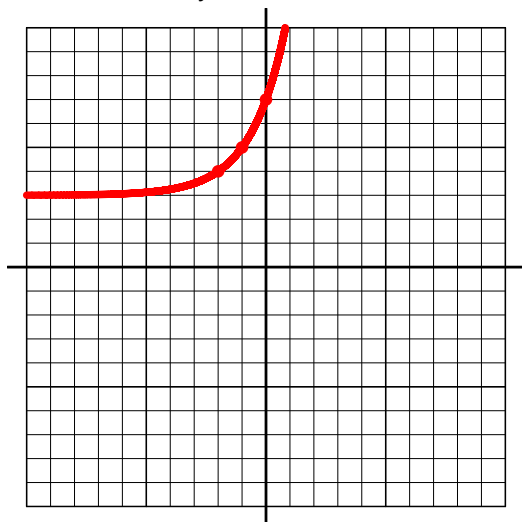


$$y = \log_2(x+3) - 1$$

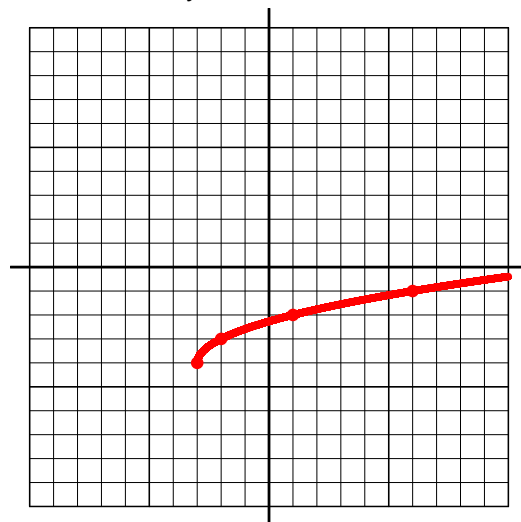


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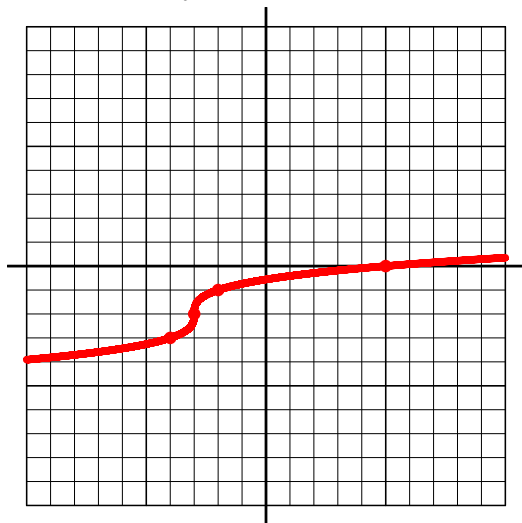
$$y = 2^{x+2} + 3$$



$$y = \sqrt{x+3} - 4$$



$$y = \sqrt[3]{x+3} - 2$$



$$y = |x-3| + 1$$

